

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled).

2. (Currently amended) A color image forming apparatus in which images of a plurality of element colors are sequentially transferred to form a color image, the color image forming apparatus comprising:

control means for giving control data to be used for processing control of the image data associated with the element color;

a plurality of temporary storage means, each being provided for each of the element colors and temporarily storing control data supplied from the control means in an address of its own obtained on the basis of the address supplied from the control means;

writing selection means which generates, on the basis of the address supplied from the control means, the selection signal which selects one of the plurality of temporary storage means;

image processing means which processes, on the basis of the control data stored in the plurality of temporary storage means, an image data associated with a received element color;

printing means which performs transfer of an element color on the basis of the processing result of the image processing means and supplies a color code representing an element color which is being subjected to transferring to the image processing means; and

~~The image forming apparatus according to claim 1,~~

~~further comprising~~ an additional temporary storage means, provided in a manner as to constitute a pair with each of the temporary storage means, for causing the temporary storage means to be a write-enable state, wherein a logical sum of a selection signal generated at the writing selection means and a signal supplied from the additional temporary storage means is calculated so as to write, in accordance with the result of the calculation, the control data supplied from the control means.

3. (Original) The image forming apparatus according to claim 2, further comprising dummy color code storage means for storing a dummy color code, the dummy color code functions as the color code, wherein one of the color code supplied from the printing means and the dummy color code supplied from the dummy color code storing means is switchably supplied to the image processing means.

4. (Canceled).

5. (Canceled).

6. (Currently amended) A color image forming apparatus in which images of a plurality of element colors are sequentially transferred to form a color image, the color image forming apparatus comprising:

a CPU that gives control data to be used that processes control of the image data associated with the element color and that gives an address;

a plurality of RAM/register unit each of which is provided for each of the element colors and temporarily stores control data supplied from the CPU in an address of its own obtained on the basis of the address supplied from the CPU;

writing selection unit which generates, on the basis of the address supplied from the CPU, the selection signal to select one of the plurality of RAM/register units, and writes the control data supplied from the CPU in the RAM/register unit which is selected by the selection signal;

an image processing unit which processes, on the basis of the control data stored in the plurality of RAM/register unit, an image data associated with a received element color;

a printer unit which performs transfer of an element color on the basis of the processing result of the image processing unit and supplies a color code representing an element color which is being subjected to transferring to the image processing unit; and

~~The color image forming apparatus according to claim 5,~~

~~further comprising~~ an additional register, provided in a manner as to constitute a, pair with each of the RAM/register unit, ~~for causing that causes~~ the RAM/register unit to be a write-enable state, wherein a logical sum of a selection signal generated at the writing

selection unit and a signal supplied from the additional register is calculated so as to write, in accordance with the result of the calculation, the control data supplied from the CPU.

7. (Currently amended) The color image forming apparatus according to claim 6, further comprising a dummy color code register ~~for storing~~ that stores a dummy color code wherein the dummy color code functions as the color code, wherein one of the color code supplied from the printer unit and the dummy color code supplied from the dummy color code register is supplied to the image processing unit in a switchable manner.